

## TENT COOPERATION TREA

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Assistant Commissioner for Patents  
 United States Patent and Trademark  
 Office  
 Box PCT  
 Washington, D.C.20231  
 ETATS-UNIS D'AMERIQUE

in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 04 October 2000 (04.10.00)	
<b>International application No.</b> PCT/SE00/00187	<b>Applicant's or agent's file reference</b> P 99-716 IJW
<b>International filing date (day/month/year)</b> 31 January 2000 (31.01.00)	<b>Priority date (day/month/year)</b> 01 February 1999 (01.02.99)
<b>Applicant</b> ERIKSSON, N., Lennart et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 17 August 2000 (17.08.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was  
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO  
 34, chemin des Colombettes  
 1211 Geneva 20, Switzerland

Facsimile No.: (41-22) 740.14.35

Authorized officer

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Telephone No.: (41-22) 338.83.38

I 46N

## PATENT COOPERATION TREATY

19-10-2000

PCT

NOTIFICATION CONCERNING  
AMENDMENTS OF THE CLAIMS(PCT Rule 62 and  
Administrative Instructions, Section 417)

From the INTERNATIONAL BUREAU

To:

Swedish Patent Office  
P.O. Box 5055  
S-102 42 Stockholm  
SUÈDE

in its capacity as International Preliminary Examining Authority

Date of mailing (day/month/year)  
04 October 2000 (04.10.00)International application No.  
PCT/SE00/00187International filing date (day/month/year)  
31 January 2000 (31.01.00)

Applicant

VALMET FIBERTECH AB et al

The International Bureau hereby transmits a copy of the amendments to the claims under Article 19 together with any accompanying statement (Rule 62).

The International Bureau of WIPO  
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## PATENT COOPERATION TREATY

PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT PCT

(PCT Article 36 and Rule 70)

REC'D 23 MAR 2001

PCT

14

Applicant's or agent's file reference P 99-716 IJW/uh	<b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/SE00/00187	International filing date (day/month/year) 31.01.2000	Priority date (day/month/year) 01.02.1999
International Patent Classification (IPC) or national classification and IPC <sub>7</sub> D21J 1/12, B27N 7/00		
Applicant Valmet Fibertech AB et al		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.  <input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).  These annexes consist of a total of <u>32</u> sheets.
3. This report contains indications relating to the following items:  I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application

Date of submission of the demand  17.08.2000	Date of completion of this report  30.01.2001
Name and mailing address of the IPEA/SE Patent- och registreringsverket Box 5055 S-102 42 STOCKHOLM Facsimile No. 08-667 72 88	Authorized officer  Ulrika Nilsson/MP Telephone No. 08-782 25 00

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/00187

## I. Basis of the report

### 1. With regard to the **elements** of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1 - 4, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
 pages \_\_\_\_\_, as originally filed  
 pages 5, as amended (together with any statement) under article 19  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the drawings:  
 pages 1, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
 pages \_\_\_\_\_, as originally filed  
 pages \_\_\_\_\_, filed with the demand  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

### 2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

### 3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheet/fig \_\_\_\_\_

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2 (c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/00187

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	<u>1-5</u>	YES
	Claims	_____	NO
Inventive step (IS)	Claims	<u>1-5</u>	YES
	Claims	_____	NO
Industrial applicability (IA)	Claims	<u>1-5</u>	YES
	Claims	_____	NO

### 2. Citations and explanations (Rule 70.7)

This statement is based on the claims filed as amended under Article 19.

The invention according to amended claim 1 relates to a method of continuously producing a lignocellulose-containing board. The aim of the claimed invention is to stabilise a board with respect to its moisture content, temperature and dimensional stability in a continuous process, and therewith avoid cost-inducing handling and storage of the board. For this purpose, the method possesses the features described in the characterising part of claim 1. The claimed invention also relates to an arrangement for carrying out the method.

The following documents are cited in the International Search Report:

D1: WO 98/50208 A1  
D2: SE 504 638 C2

D1 discloses a method and an apparatus for treating a board-like material with a gaseous agent. The board-like material is taken into a treatment zone on a support with upper and lower compartments. The gaseous treatment agent is fed into the upper compartment under pressure while the lower compartment is connected to a vacuum pump. The gaseous agent passes through the board thickness. By controlling the pressure, temperature, moistures content and/or composition in the upper compartment, a desired effect can be achieved on the board-like material.

.../...

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/SE00/00187

**Supplemental Box**

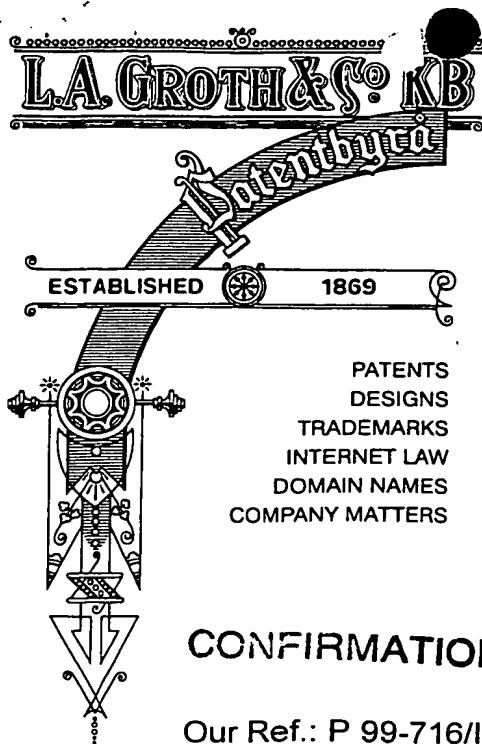
(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: V.

D2 relates to a continuous production method for lignocellulosic fibreboards. The method involves passing a fibre mat through one or more compression rollers whilst steam is injected into the mat in order to cure and thicken the mat in one pass.

The documents do not disclose the special combination of features defined in the invention. According to the invention, a determined volume of air of given moisture content and temperature is drawn through the board in the after-conditioning zone by suction. The board is then ground to final thickness directly after having left the after-conditioning zone.

None of the cited documents, taken alone or in combination, reveals the invention defined in the amended claims 1-5. Furthermore, in the cited documents there are no suggestions leading a person skilled in the art towards the invention defined by amended claims 1-5. Therefore, the invention is novel, involves an inventive step and has industrial applicability.



PATENTS  
DESIGNS  
TRADEMARKS  
INTERNET LAW  
DOMAIN NAMES  
COMPANY MATTERS

## CONFIRMATION COPY

Our Ref.: P 99-716/IJW/uh

International Patent Application No. PCT/SE 00/00187  
Applicant: Valmet Fibertech AB

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PCT/SE 00/00187

30 JUNE 20  
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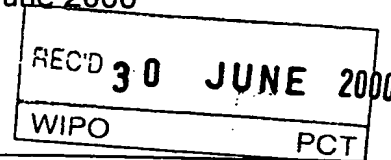
Associated companies:  
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MEMBER OF THE ALLIED-GROUP

WIPO  
34, Chemin des Colombettes

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Schweiz

BY FAX (2 pages) + CONF.COPY

Stockholm 30 June 2000



Dear Sirs,

We would like to make use of the possibility according to Art. 19, Rule 46, to make a central amendment to the claims of the above mentioned application prior to its publication.

The amendments serve the purpose to more clearly specify the subject matter of the invention, and delimit the independent claims from prior art.

The amended claim 1 corresponds to the original claim 1 with the addition of the features of the original claim 4.

The amended claim 4 corresponds to the original claim 5, with the addition of the features of the original claim 7.

Amended claims 2, 3 and 5 correspond to the original claims 2, 3 and 6 respectively.

Please note that in all other aspects, the claims are unchanged.

Very truly yours,  
L.A. GROTH & Co. KB

*Ingmar Johansson Webjörn*  
Ingmar Johansson Webjörn

Encl.: Amended claims

L.A. GROTH & Co. KB  
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621 85 45

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SE 00/00187

## A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21J 1/12, B27N 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B27N, D21J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9850208 A1 (SUNDS DEFIBRATOR PANELHANDLING OY), 12 November 1998 (12.11.98), page 2, line 20 - line 37; page 5, line 7 - line 12, figure 1, claims 1,11, abstract	1-7
A	SE 504638 C2 (SUNDS DEFIBRATOR INDUSTRIES AB), 24 March 1997 (24.03.97), abstract	1-7

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

### \* Special categories of cited documents

- \*A- document defining the general state of the art which is not considered to be of particular relevance
- \*E- earlier document but published on or after the international filing date
- \*L- document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O- document referring to an oral disclosure, use, exhibition or other means
- \*P- document published prior to the international filing date but later than the priority date claimed

\*T- later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X- document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y- document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z- document member of the same patent family

Date of the actual completion of the international search

2 May 2000

Date of mailing of the international search report

18-05-2000

Name and mailing address of the ISA/  
Swedish Patent Office  
Box 5055, S-102 42 STOCKHOLM  
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Authorized officer

Ulrika Nilsson/MP  
Telephone No. +46 8 782 25 00



**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

02/12/99

International application No.

PCT/SE 00/00187

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	9850208	A1	12/11/98	AU	7048298 A	27/11/98
				FI	971899 A	03/11/98
<hr/>						
SE	504638	C2	24/03/97	AU	6539496 A	26/02/97
				CA	2226385 A	13/02/97
				EP	0843615 A	27/05/98
				JP	11510114 T	07/09/99
				PL	324641 A	08/06/98
				SE	9502713 A	28/01/97
				US	5932156 A	03/08/99
				WO	9704932 A	13/02/97
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